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(21)Application number : 07-175952 (71)Applicant : HITACHI METALS LTD

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(54) SINTERED TYPE PERMANENT MAGNET

(57)Abstract:

PROBLEM TO BE SOLVED: To improve the corrosion resistance of an R-Fe-B sintered type permanent magnet.

SOLUTION: In this sintered type permanent magnet which is composed of R (R contains one or two or more of rare earth elements containing Y) of 27.0 to 31.0wt.%, B of 0.5 to 2.0wt.%, O of 0.25wt.% or less, C of 0.1wt.% or less and the remaining part of Fe, corrosion resistance is improved by setting the quantity of N at 0.02 to 0.15wt.%.

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